
Subject: Re: adding subset image into larger one
Posted by [Suguru Amakubo](#) on Wed, 24 Mar 2010 02:02:11 GMT
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Ah I see! That explains it so essentially its:

```
new_image[tr_point[0,a]:tr_point[0,a]+L-1,tr_point[1,a]:tr_point[1,a]+L-1] = new_image[tr_point[0,a]:tr_point[0,a]+L-1,tr_point[1,a]:tr_point[1,a]+L-1] + temp_image
```

thus just adding to the part of the new_image array. Sorry I was a bit confused earlier.

One question though is that when I run this I was given a run time error saying that I am out of range on the first cycle of the loop (when I checked the coordinates are sane and is not out of range):

(Some changes were added to avoid out of range errors, unrelated to above):

```
nn=n_elements(mc_point(0,*))
```

```
;for loop that runs through the array and places blocks on top of the image
```

```
for kk=0L,nn-1 do begin  
  x0 = mc_point(0,kk)  
  y0 = mc_point(1,kk)
```

```
  if (x0 ge size_of_image - L) or (y0 ge size_of_image - L) then begin
```

```
    if x0 ge size_of_image -L && y0 ge size_of_image -L then begin
```

```
      temp_image = new_image2[size_of_image -L: size_of_image-1,  
size_of_image -L:size_of_image-1]
```

```
    endif else if x0 ge size_of_image -L && y0 le size_of_image - L &&  
y0 ge 0 then begin
```

```
      temp_image = new_image2[size_of_image -L:size_of_image-1, y0:y0+L-1]
```

```
    endif else if x0 le size_of_image -L and y0 ge size_of_image -L and  
x0 ge 0 then begin
```

```
      temp_image = new_image2[x0:x0+L-1 , size_of_image -  
L:size_of_image-1]
```

```
    endif
```

endif else begin

```
;extracting the block from the original image  
temp_image = new_image2[mc_point[0,kk]:mc_point[0,kk]  
+L-1,mc_point[1,kk]:mc_point[1,kk]+L-1]
```

```
;adding the subset to a 400x400 image  
;The error occurs here  
new_image[tr_point[0,kk]:tr_point[0,kk]  
+L-1,tr_point[1,kk]:tr_point[1,kk]+L-1] += temp_image
```

```
;adding an 30x30 array of 1s to a blank 400x400 image population  
population[tr_point[0,kk]:tr_point[0,kk]  
+L,tr_point[1,kk]:tr_point[1,kk]+L] += coverage_image
```

endelse
endfor

sorry about the text wrapping and thank you all for the help :)
